

CGS 3008.02

The sample is dispensed into a sample tube which is then attached to a collector tube containing a hydrophobic membrane. This assembly is then inserted into a heating block where the sample is boiled. The resulting vapor passes through the membrane, condenses, and collects above the membrane in a trapping solution specific to the analyte.

Upon completion of the distillations, the collector tube is snapped in half and the distillate is brought up to volume. With MICRO DIST, the sample is distilled under conditions that are significantly more reproducible than those of a macro-distillation procedure.

Macro-distillation Glassware

MICRO DIST

There are many fragile pieces to disassemble, clean and reassemble between each distillation	The MICRO DIST tube consists of only two pieces which are disposed of after use
Leaks at glass joints are a major cause of low recoveries	The tube has one plastic press-fit joint that will never leak
The flow rate of the purge gas stream is critical	The <i>in situ</i> steam is self-purging so no external gas stream is required
Irregular contact with the heating mantle causes variable heating for each sample	The high contact block heater is temperature controlled for high precision across all samples
About 10 samples per day can be distilled in a typical lab	Over 100 samples per day can be distilled

Specifications

Height x Depth x Width	33 cm (13 in) x 17 cm (7 in) x 72 cm (28 in)
Electrical:	A17102: 110-120 VAC, 11A A17202: 220-240 VAC, 5A

Ordering Information

MICRO DIST[®] System:

Includes heating block, digital temperature controller, complete accessories kit, and Methods Manual

MICRO DIST tubes are available prefilled with trapping solution.

For users wishing to fill MICRO DIST tubes themselves, the User-Fill option is available.

MICRO DIST Methods No.	Matrix and Chemistry	Prefilled Pkg / 21	User-Fill Pkg / 10	User-Fill Pkg / 50	User-Fill Pkg / 100
Cyanide - 1	waters, solids, strong acid dissociable (SAD)	A17001	A17017	A17517	A17117
Cyanide - 2	caustic extracts, SAD	A17021	A17017	A17517	A17117
Cyanide - 3	waters, solids, weak acid dissociable (WAD)	A17031	A17017	A17517	A17117
Cyanide - 5	waters, SAD	A17011	A17017	A17517	A17117
Phenolics - 1	waters, solids, 4 - AATP	A17002	A17017	A17017	A17017
Sulfide - 1	waters, iodometric	A17003	A17017	A17517	A17117
Sulfide - 2	waters/MTB	A17009	A17017	A17517	A17117
Ammonia - 1	waters, phenate/ISE	Not available	A17017A	A17517A	A17117A
Ammonia - 2	waters, solids, nesslerization	Not available	A17017A	A17517A	A17117A
Tritium - 1	contaminated waters, solids	A17004	A17017	A17517	A17117